Quick Start Guide

MB-TP15 Universal VESA Mounting Box for 15" Modero Panels

The MB-TP15 Universal VESA Mounting Kit (**FG032-50**) allows the 15" Modero touch panels to be mounted on a pivot/pitch, extendable arm, pole, ceiling, under-cabinet mount, or any other variation of VESA-compliant mounting hardware.

The MB-TP15 kit includes everything the installer needs to mount a 15" Modero panel (wall mount version) to any standard 75mm x 75mm VESA mounting hardware (purchased separately). The kit includes a metal back box, a plastic rear cover (with cable routing hole (which accepts the included strain-relief grommet) and other required hardware (see Specifications table for details). .

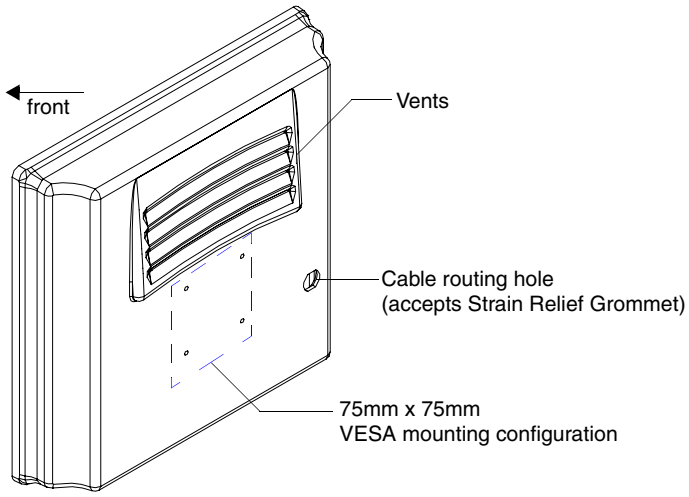

FIG. 1 MB-TP15 Universal VESA Mounting Box and Rear Cover (rear view)

Specifications

MB-TP15 Specifications	
MB-TP15 Mounting Kit - Installed Dimensions (HWD):	• 14.37" x 15.19" x 3.59" (36.50 cm x 38.59 cm x 9.12 cm)
Operating /Storage Environments:	• Operating Temperature: 0° C (32° F) to 40° C (104° F) • Operating Humidity: 20% - 85% RH • Storage Temperature: -20° C (-4° F) to 60° C (140° F) • Storage Humidity: 5% - 85% RH
Included Accessories	• Black metallic VESA back box (62-0032-50) • Black plastic cover (with grommet opening) (60-0032-50) • Four Phillips pan-head screws (#8-32 x 0.50 Black) (80-0146-02) • Tie Wrap (*Large*) (45-0009A) (*for use with NXA-MTC/RGB*) • Twelve Under-cut Phillips-head screws (#6-32 x 0.500 Black) (80-0139) • Strain relief grommet (45-0004-03) (*for use with CA2250-50*) • Universal VESA Msount grommet (45-0032-01) (*for use with NXA-MTC/RGB*)

Overview - Installing the MB-TP15 Kit

Upgrading the original Modero back box with the MB-TP15 Universal VESA Mounting Kit involves three main processes:

- Removing the original Modero back box, and installing the new MB-TP15 back box.
- Threading cables through the strain relief grommet opening in the rear plastic cover.
- Finalizing the installation of the NXD (with MB-TP15 back box and cables) into the plastic cover, securing both components, and finalizing the strain relief grommet installation.

Removing the Original Modero Back Box

1. Detach all connectors from the side of the touch panel.
2. Remove the magnetic faceplate from the NXD unit by carefully gripping the faceplate and pulling outwards.
3. Place the LCD face-down on a soft cloth to expose the bottom of the panel and prevent scratching of the LCD.
4. Using a grounded Phillips-head screwdriver, remove the two screws on either side of the metal connector overlay, and remove the headphone nut from the headphone jack.
5. Remove the Connector Overlay from the back box housing.
6. Remove the four pan-head housing screws from the rear of the NXD unit (FIG. 2). These screws secure the back box to the internal panel casing.

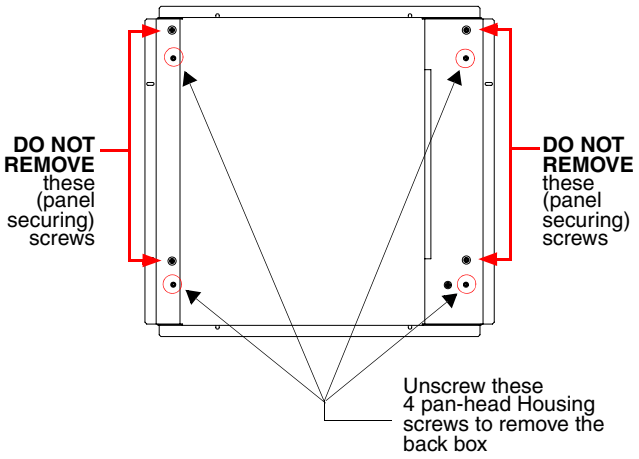
DO NOT REMOVE these (panel securing) screws
DO NOT REMOVE these (panel securing) screws
Unscrew these 4 pan-head Housing screws to remove the back box

FIG. 2 Location of the attachment screws on the NXD back box

7. Lift the back box housing to separate it from the internal panel casing.

***Note**: Do not remove the four panel securing screws. These screws secure the LCD to the metal casing.*

Installing the MB-TP15 Back Box

1. Unscrew the four pan-head Housing screws (#8-32) from the MB-TP15 rear plastic cover.
2. Gently place the MB-TP15 back box over the internal panel casing (with the cable routing hole on the right-side of the panel).
3. Re-install and secure the four pan-head Housing screws into their pre-drilled holes along the edges of the MB-TP15 back box (FIG. 2) and secure them using a grounded Phillips-head screwdriver.
4. Replace the Connector Overlay back over the connector opening and align the connector locations.
5. Re-secure the metal connector overlay (using a grounded Phillips-head screwdriver) and re-secure the nut on the headphone jack.

Cable Installation for the MB-TP15 Back Box

1. Connect the cable connectors (RJ-45, Ethernet, and any other audio/video wiring) to their respective locations on the side of the touch panel.
2. Use the tie-wrap (45-0009A) to wrap the cables together inside the VESA Mount enclosure. This cable tie is used to insure the cable will not pull through or work itself through the new larger strain relief grommet (45-0032-01) over time.
3. Thread the incoming cables through the hole on the rear plastic cover and then through the strain relief grommet.
4. Slide the grommet along the cable and securely insert it into the opening on the rear plastic cover (FIG. 4).

Finalizing the Installation

1. Gently place the rear plastic cover over the NXD panel (with LCD and MB-TP15 back box).
2. Insert the protruding cables, coming out from the opening on the rear plastic cover, into the open strain relief grommet.
3. Allow some slack/length on these cables as a service loop. This service loop provides enough cable length so you can later remove the NXD (with connected cables) from the rear plastic cover.

Caution: *Verify that the Strain Relief Grommet is securely closed over the cables and the clip is facing the correct direction (upwards). The process of securing the strain relief grommet may require the use of pliers. Also verify the length and location of the inserted cables. once the strain relief grommet is closed, it is difficult to re-open.*

4. Carefully apply pressure to close the strain relief grommet over the desired cable location.
5. Firmly push the strain relief grommet into the opening (toward the inside) until the rim is securely flush against the back of the rear plastic cover (FIG. 4).
6. Securely grasp both sides of the NXD panel (with LCD, MB-TP15 back box, and attached cables), rotate the entire unit over, and lie it on a flat level surface.
7. Note the available mounting contact surface area on the rear plastic cover (FIG. 3). This area represents the space available for use with a VESA connector plate.
8. Insert and secure the twelve #6-32 securing screws into their pre-drilled holes along the edges of the NXD unit (FIG. 4). This step secures the NXD unit to the rim of the rear plastic cover.
9. Align a VESA mount connector (purchased separately) to the four #8-32 screw holes on the back of the rear plastic cover (FIG. 4).
10. Insert the four provided #8-32 screws through the VESA mount's four holes and then into the pre-drilled holes on the rear plastic cover.

Note: *When installing a VESA mount to the rear plastic cover, use only the AMX provided #8-32 screws.*

11. Secure these four #8-32 screws to the rear plastic cover by using a grounded Phillips-head screwdriver. This step secures the VESA mount to the rear of the panel.

Refer to your particular VESA mount manufacturer's installation procedures for further surface mounting procedures.

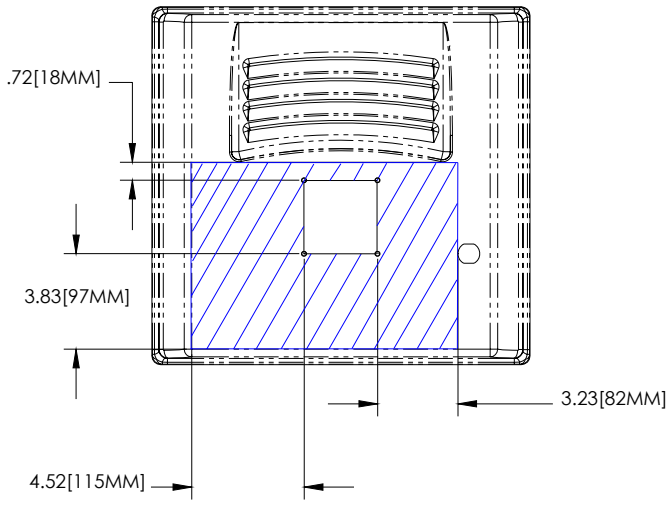

FIG. 3 MB-TP15 Mounting contact surface area

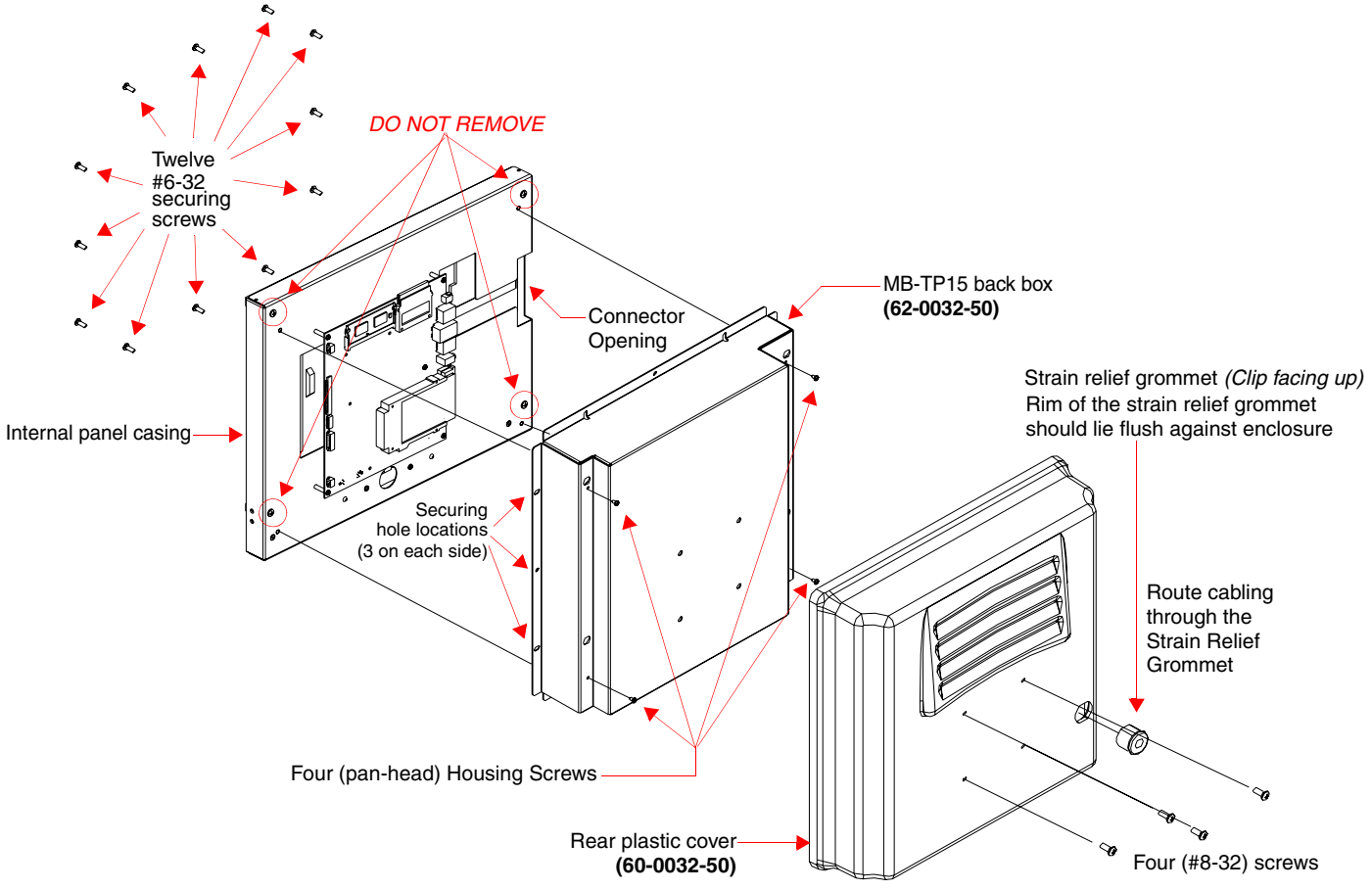
DO NOT REMOVE
Twelve #6-32 securing screws
Connector Opening
MB-TP15 back box (62-0032-50)
Strain relief grommet (Clip facing up)
Rim of the strain relief grommet should lie flush against enclosure
Internal panel casing
Securing hole locations (3 on each side)
Route cabling through the Strain Relief Grommet
Four (pan-head) Housing Screws
Rear plastic cover (60-0032-50)
Four (#8-32) screws

FIG. 4 Location of the attachment screws on the NXD back box

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